Serial no.: 10/619,172 Inventor: McCollum et al. Docket No.: ACT-367 Page 1 of 7

Filed: July 11, 2003 Title: Low-Capacitance Input/Output and Electrostatic Discharge Circuit for Protecting an...

Attorney: Kenneth D'Alessandro Sierra Patent Group, Ltd.





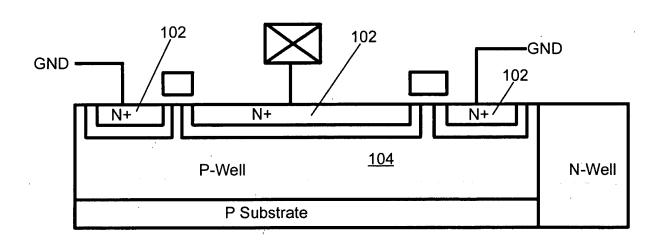


FIG. 1

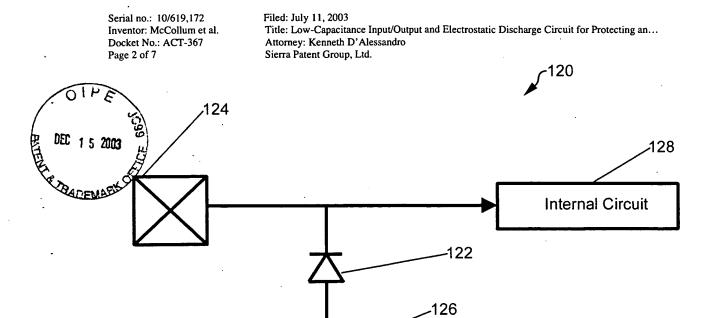


FIG. 2

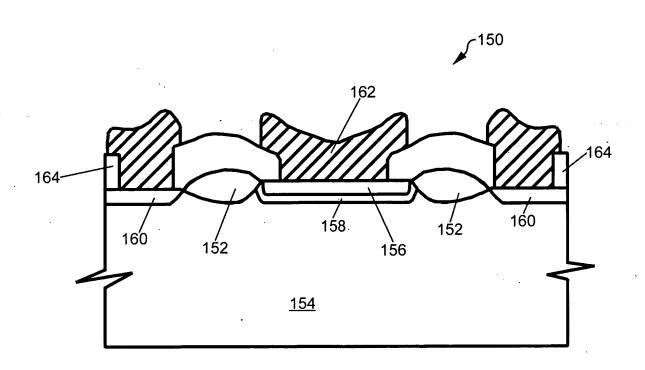


FIG. 3

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Title: Low-Capacitance Input/Output and Electrostatic Discharge Circuit for Protecting an...
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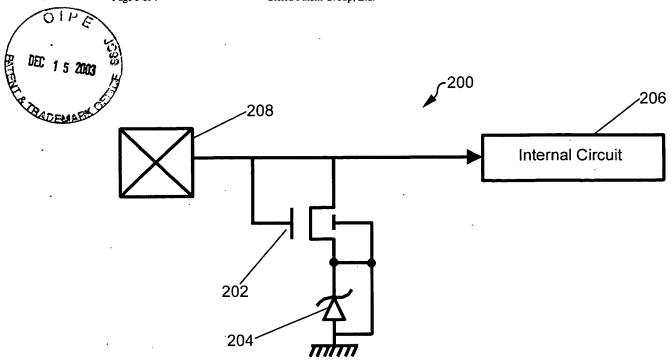


FIG. 4

250

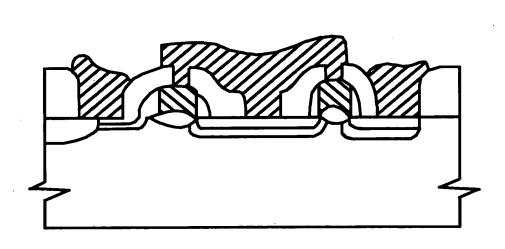


FIG. 5

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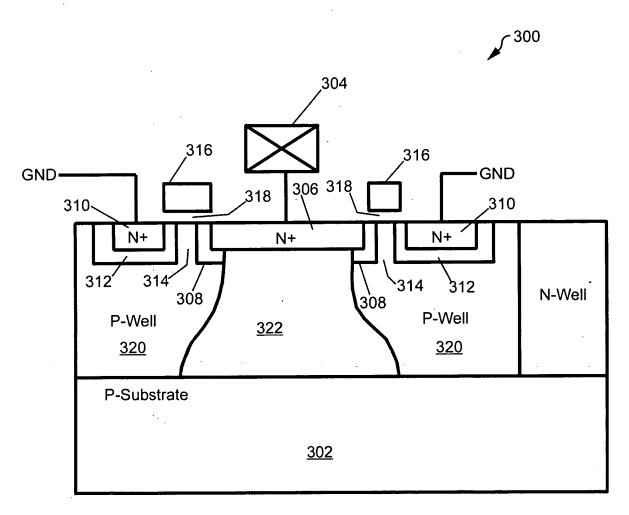


FIG. 6

Serial no.: 10/619,172 Inventor: McCollum et al. Filed: July 11, 2003 Title: Low-Capacitance Input/Output and Electrostatic Discharge Circuit for Protecting an...
Attorney: Kenneth D'Alessandro Docket No.: ACT-367 Page 5 of 7 Sierra Patent Group, Ltd. THE TRADEMA DEC 1 5 2003 356, Poly Active ·350 N+ P-Well 352 354 P-Well block FIG. 7 - 400 406 412

408 -Vcc Vcc. 412 P+ P+ N-416 414 410 410 416 420 P-Well <u>402</u> N-Well P-Substrate <u>404</u>

FIG. 8

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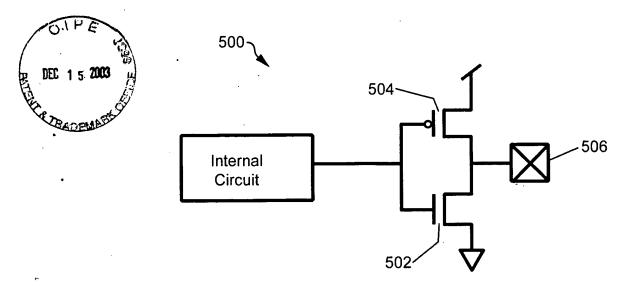
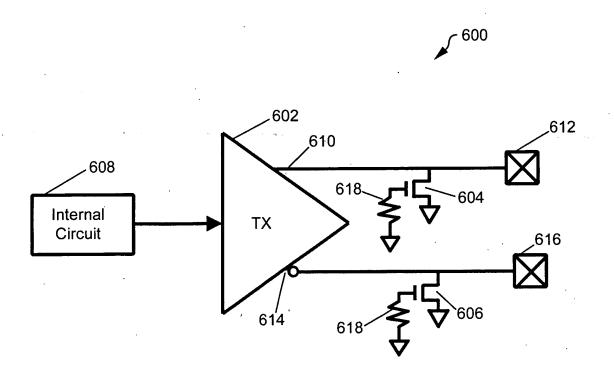


FIG. 9



**FIG.10** 

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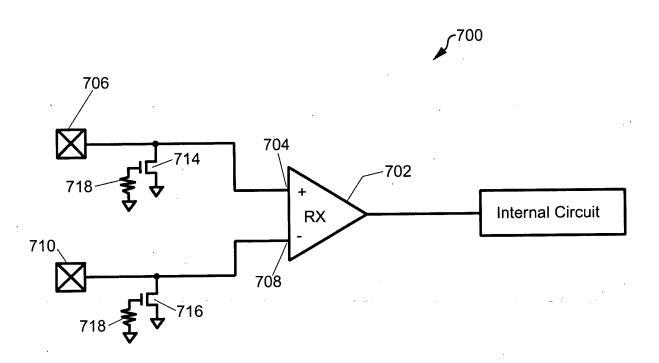


FIG. 11